

PATENT

Case Docket No. PULSE.091A

Date: February 28, 2003

Page 1

In re application of : Majid Dadafashar)
 App. No. : 09/735,030)
 Filed : December 11, 2000)
 For : MULTI-LAYERED AND)
 USER-CONFIGURABLE)
 MICRO-PRINTED CIRCUIT)
 BOARD)
 Examiner : Tuan T. Dinh)
 Art Unit : 2827)

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Sir:

Transmitted herewith is an amendment in the above-identified application.

03/12/2003 JME/LLA 00000002 111410 09735030 dated as shown below:

01 FE:1252 410.00 CH


CLAIMS AS FILED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	11	—	20	= 0 x	\$18	= \$0
Independent Claims	4	—	5	= 0 x	\$84	= \$0
If application has been amended to contain multiple dependent claim(s), then add					\$280	= \$0
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TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$410

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YOUR REF.: Application No. 09/735,030
OPERATOR: Michelle Tow
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PULSE.091A

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Applicant	:	Majid Dadafashar)	Group Art Unit 2827
Appl. No.	:	09/735,030)	CERTIFICATE OF FAX TRANSMISSION
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Examiner	:	Tuan T. Dinh)	

February 28, 2003

(Date)

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AMENDMENT

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Dear Sir:

In response to the Office Action mailed October 2, 2002, please amend the above-identified application as follows:

IN THE DRAWINGS:

Attached are formal drawings of Figures 1-9b in ten (10) sheets, which were approved in response to the Amendment filed July 9, 2002.

IN THE CLAIMS:

Please amend the Claims as follows:

- (Twice Amended) An electrical device comprising:
 - a plurality of printed circuit boards configured into a multi-layer configuration;
 - at least a first printed circuit board of said plurality of printed circuit boards comprising a primary winding of a transformer;
 - at least a second printed circuit board of said plurality of printed circuit boards comprising a secondary winding of the transformer; and

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a plurality of connector pins, wherein each pin of the plurality of connector pins is configured to electrically connect to either the primary winding or the secondary winding, wherein each pin of the plurality of connector pins penetrates only the at least one first printed circuit board or the at least one second printed circuit board, and wherein at least two of said first and second printed circuit boards are configured to receive at least one external jumper for externally connecting said configured first and second printed circuit boards in series or in parallel.

3. (Amended) The device of Claim 1, wherein the at least one first printed circuit board and the at least one second printed circuit board are electrically separated from each other.

7. (Twice Amended) An electrical device comprising:

a plurality of core members;

a plurality of printed circuit boards configured to be stackable in a multi-layer configuration between the core members;

at least a first printed circuit board of the plurality of printed circuit boards comprising a primary winding of a transformer;

at least a second printed circuit board of the plurality of printed circuit boards comprising a secondary winding of the transformer;

an external jumper configured to selectively connect the winding on at least two of the plurality of printed circuit boards in either a parallel or a series electrical configuration; and

a plurality of connector pins configured to electrically connect the windings on the plurality of printed circuit boards to a main circuit board, wherein each pin of the plurality of connector pins penetrates only the at least one first printed circuit board or the at least one second printed circuit board.

17. (Amended) An electrical device comprising:

a plurality of core members;

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a plurality of printed circuit boards, positioned between the plurality of core members, with each printed circuit board having a plurality of layers, wherein the plurality of printed circuit boards are stackable into a multi-layer configuration;

at least one coil defined on each of the plurality of layers of the plurality of printed circuit boards;

at least a first printed circuit board of the plurality of printed circuit boards comprising a primary winding of a transformer;

at least a second printed circuit board of the plurality of printed circuit boards comprising a secondary winding of a transformer;

an external jumper configured to connect the windings on at least two of the plurality of printed circuit boards in either a parallel or a series electrical configuration; and

a plurality of connector pins configured to electrically connect the plurality of printed circuit boards to the main circuit board, wherein each pin of the plurality of connector pins penetrates only the at least first printed circuit board of the plurality of printed circuit boards comprising the primary winding or the at least second printed circuit board of the plurality of printed circuit boards comprising the secondary winding.

18. (Amended) An electrical device comprising:

a plurality of printed circuit boards, each printed circuit board having a plurality of layers, wherein the plurality of printed circuit boards are stackable into a multi-layer configuration;

at least one coil defined on each of the plurality of layers of the plurality of printed circuit boards;

means for configuring electrical connections on the plurality of printed circuit boards to include the at least one coil on each printed circuit board so as to define a primary winding and a secondary winding;

means for connecting the primary winding on the printed circuit boards and the secondary winding on the printed circuit boards to a main circuit board with connector pins in such a manner that the connector pins connecting the primary winding only